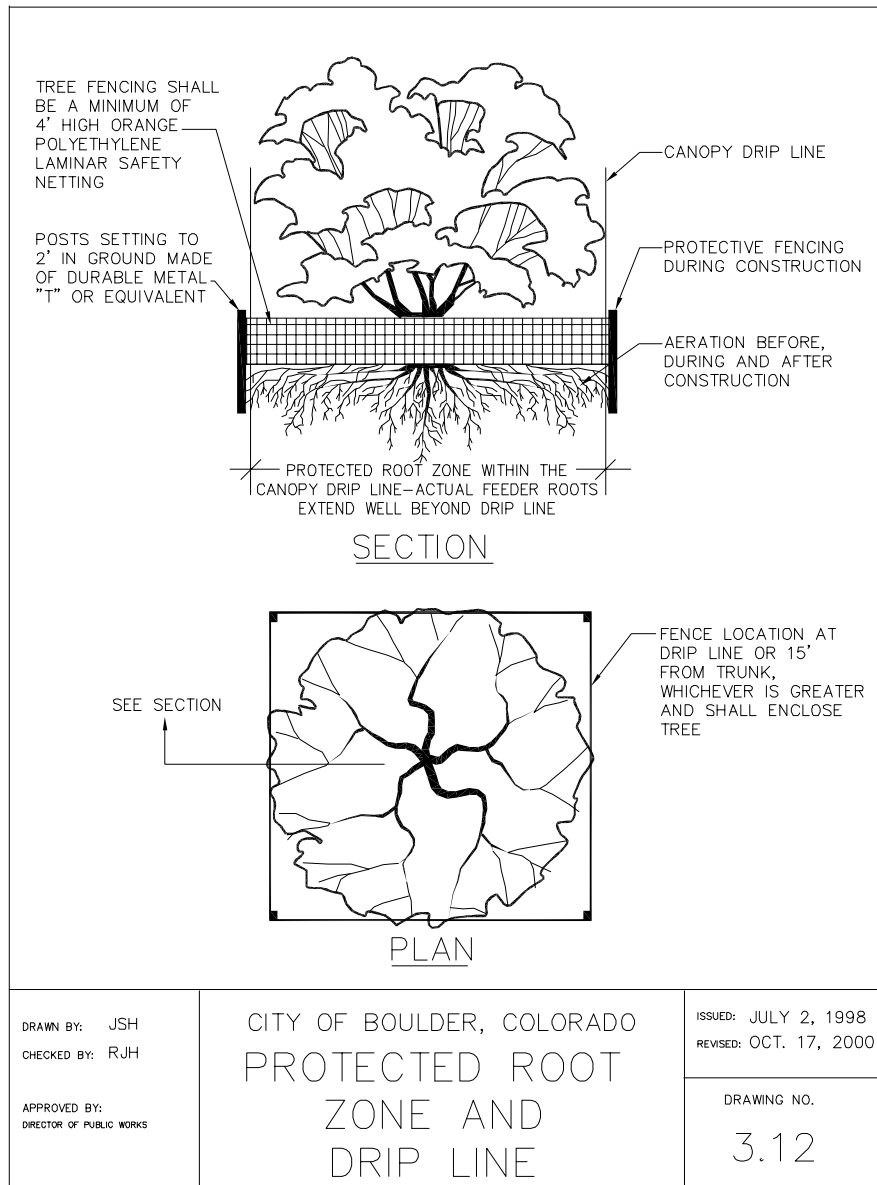
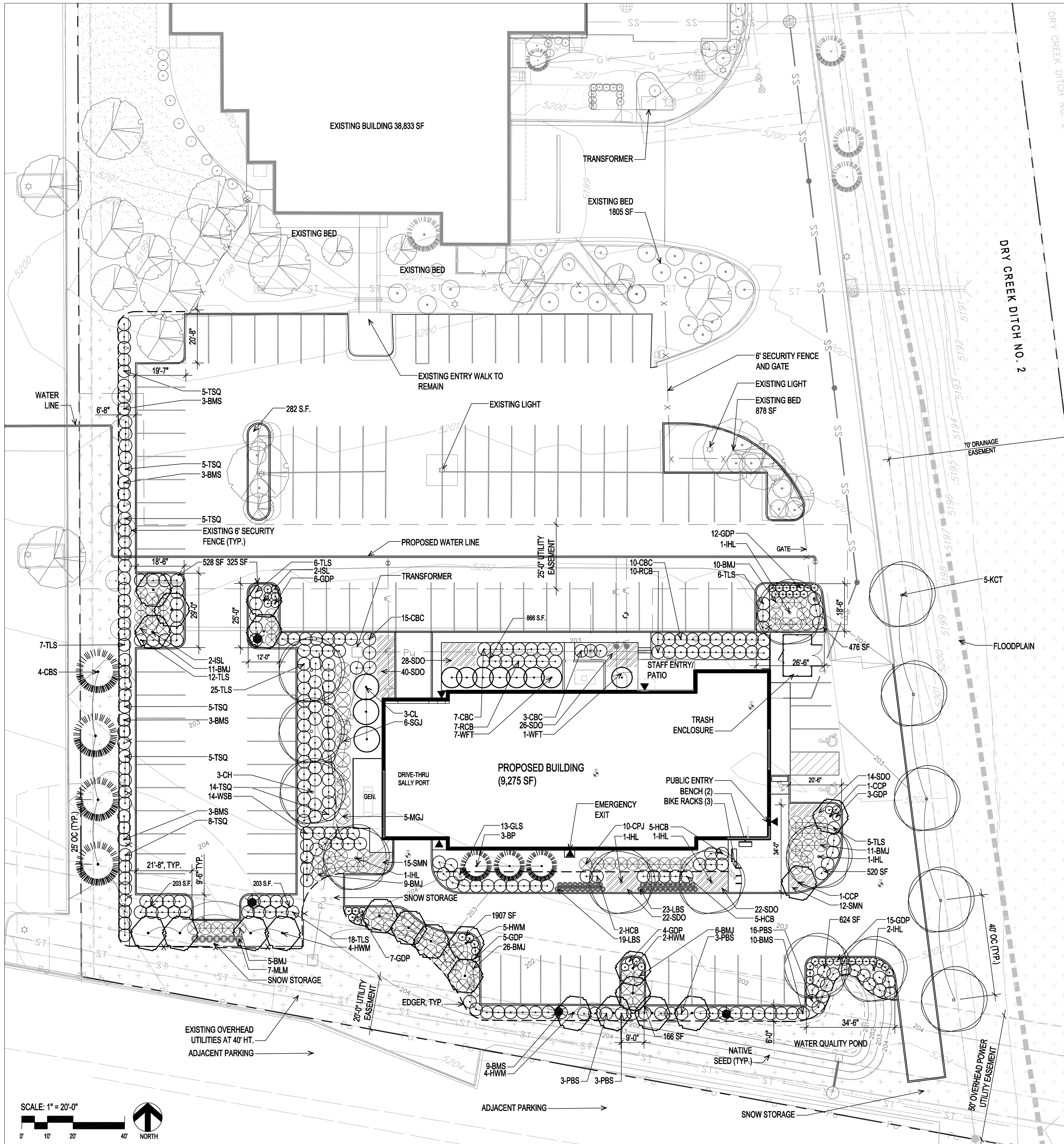


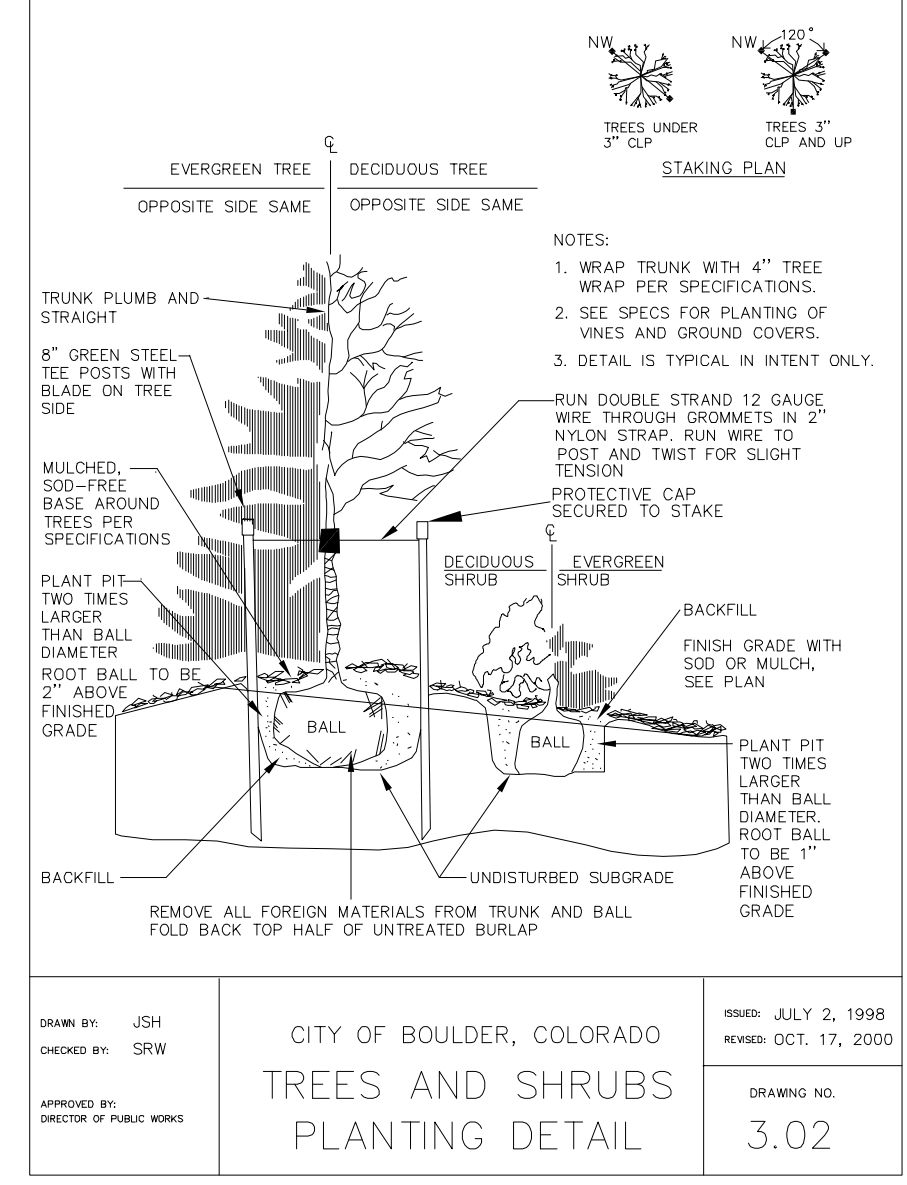
MATCHLINE, SEE L1



TREE PROTECTION

PLANT LIST:

EVERGREEN TREES						
Sym.	Qty	Botanical Name:	Common Name:	Size:	Mature Height:	Notes
CBS	4	Picea pungens 'Coloratus'	Colorado Blue Spruce	6'	40'-60'	B&B, Strong Leader, balanced form
BP	3	Pinus heldreichii	Bosnian Pine	6'	15'	B&B, Strong Leader, balanced form
DECIDUOUS TREES						
Sym.	Qty	Botanical Name:	Common Name:	Size:	Mature Height:	Notes
CH	3	Castis occidentalis	Hackberry	2"	40'-50'	B&B, Straight trunk, single stem, full form
IHL	7	Gleditsia triacanthos inermis Imperial	Honey Locust	2"	30'-40'	B&B, Straight trunk, single stem, full form
KTC	5	Gymnocladus dioica 'Espresso'	Espresso Kentucky Coffeetree	2"	40'-60'	B&B, Straight trunk, single stem, full form
ORNAMENTAL TREES						
Sym.	Qty	Botanical Name:	Common Name:	Size:	Mature Height:	Notes
HWM	15	Acer tataricum 'Hot Wings'	Hot Wings Maple	2"	15'-18'	B&B, Multi-stem, full form
CCP	2	Pyrus calleryana 'Chanticleer'	Pear	2"	25'-35'	B&B, Straight trunk, single stem, full form
ISL	5	Syringa reticulata 'Troy Silk'	Ivory Silk Lilac Tree	2"	20'-25'	B&B, Straight trunk, single stem, full form
EVERGREEN SHRUBS						
Sym.	Qty	Botanical Name:	Common Name:	Size:	Mature Height:	Notes
BMJ	84	Juniperus sabina 'Broadmoor'	Juniper - Broadmoor	5 gal	12'-18"	Cont. Well rooted, full and bushy
CPJ	19	Juniperus x media 'Pfitzeriana Compacta'	Juniper - Compact Pfitzer	5 gal	3'-4'	Cont. Well rooted, full and bushy
SGJ	6	Juniper x pfitzeriana 'Sea Green'	Sea Green Juniper	5 gal	5'-6'	Cont. Well rooted, full and bushy
MGJ	5	Juniperus sabina 'Moonglow'	Moonglow Juniper	5 gal	10-12'	Cont. Well rooted, full and bushy
SHRUBS						
Sym.	Qty	Botanical Name:	Common Name:	Size:	Mature Height:	Notes
GMC	24	Ribes alpinum	Green Mound Currant	5 gal	3'-4'	Cont. Well rooted, full and bushy
HCB	21	Symphoricarpos x chenaultii 'Hancock'	Hancock Coral Berry	5 gal	2'	Cont. Well rooted, full and bushy
CC	37	Caryopteris x clandonensis	Blue Mist Spirea	5 gal	3'-4'	Cont. Well rooted, full and bushy
TSQ	57	Chaenornelis x superba 'Texas Scarlet'	Texas Scarlet Quince	5 gal	3'-4'	Cont. Well rooted, full and bushy
GDP	58	Potentilla fruticosa 'Gold Drop'	Gold Drop Potentilla	5 gal	2'-3'	Cont. Well rooted, full and bushy
PBS	19	Prunus besseyi 'Pavane Buttes'	Creeping Western Sandcherry	5 gal	15'-30"	Cont. Well rooted, full and bushy
GLS	13	Rhus aromatica 'Gro-Low'	Gro-Low Sumac	5 gal	2'-3'	Cont. Well rooted, full and bushy
TLS	77	Rhus triloba 'Autumn Amber'	Autumn Amber Sumac	5 gal	12'-18"	Cont. Well rooted, full and bushy
WSB	14	Symphoricarpos albus	White Snowberry	5 gal	3'-6'	Cont. Well rooted, full and bushy
RBC	17	Symphoricarpos orbiculatus	Coral Berry	5 gal	2'-3'	Cont. Well rooted, full and bushy
CL	3	Syringa vulgaris	Common Lilac	5 gal	8'-10'	Cont. Well rooted, full and bushy
WFT	8	Viburnum 'Mohican'	Waylating Tree Viburnum	5 gal	6'-8'	Cont. Well rooted, full and bushy
GRASSES						
Sym.	Qty	Botanical Name:	Common Name:	Size:	Mature Height:	Notes
FRG	49	Calamagrostis acutiflora 'Karl Foerster'	Feather Reed	1 gal.	3'-4'	Cont. Well rooted, full and bushy
MLM	7	Miscanthus sinensis 'Morning Light'	Morning light miscanthus	1 gal.	2'-3'	Cont. Well rooted, full and bushy
LBS	42	Schizachyrium scoparium 'The Blues'	The Blues Little Bluestem	1 gal.	3'-5'	Cont. Well rooted, full and bushy
PERENNIALS						
Sym.	Qty	Botanical Name:	Common Name:	Size:	Mature Height:	Notes
SDO	152	Heimerocallis 'Stella d'oro'	Daylily	1 gal.	15"	Cont. Well rooted, full and bushy
SMN	27	Salvia nemorosa 'May Night'	May Night	1 gal.	18"-24"	Cont. Well rooted, full and bushy
MULCH						
Quan.	Type	Name	Size:	Mature Height:	Notes	
	Wood Mulch	Western Red Cedar	shredded	shredded	Free of sticks, clumps and debris	
TURF						
Quan.	Type	Seed Rate	Mature Height:	Notes		
13,321 sf	Native Grass Mix (Low Grass Mix)	25 lbs/acre	12"	Available from Arkansas Valley Seed		
	30% Ephraim Crested Wheatgrass	7.5				
	25% Sheep Fescue	6.25				
	20% Perennial Rye	5				
	15% Chewings Fescue	3.75				
	10% Kentucky Bluegrass	2.5				



TREE AND SHRUB PLANTING

Boulder County Administrative Services
Building Services Division - Architects
2020 13th Street
Boulder, Colorado 80302
Tel: 303-441-3957
Fax: 303-441-1718

Grow Studio LLC
154 So. 35th Street
Boulder, CO 80305
303.963.5452

REVISION
Tec Doc Review
DATE
07/15/2013

Applicant Information
Boulder County Administrative Services
Building Services Division - Architects
P.O. Box 471
Boulder, Colorado 80306
Application Type: TEC DOC REVIEW
Case No.:

Boulder County
CORONER FACILITY
5600 Flatiron Parkway
Boulder, Colorado 80301

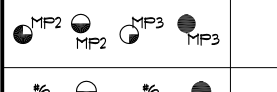


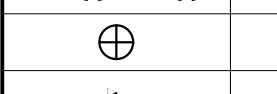

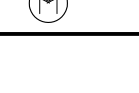
Project No: 13-005
LANDSCAPE PLAN
SOUTH
L1.02

DRAWN BY: TJR/BLR CHECKED BY: TJR

IRRIGATION CONSTRUCTION NOTES

1. DRAWINGS AND BASE INFORMATION - ALL BASE AND PLANTING INFORMATION HAVE BEEN PROVIDED BY GROW STUDIO. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY HYDROSYSTEMS(KDI) OF ANY DISCREPANCIES BETWEEN THE UTILITY OR PLANTING PLANS AND THE IRRIGATION PLAN. IF CONTRACTOR FAILS TO NOTIFY HYDROSYSTEMS(KDI) AND MAKES CHANGES TO THE IRRIGATION SYSTEM DESIGN, HE ASSUMES ALL COSTS AND LIABILITIES ASSOCIATED WITH THOSE FIELD CHANGES. REFER TO SPECIFICATIONS FOR ADDITIONAL PROJECT REQUIREMENTS.
2. SYSTEM PRESSURE - HYDROSYSTEMS(KDI) HAS CONTACTED THE LOCAL WATER DISTRICT THAT SERVES THIS SITE AND THEY HAVE BEEN TOLD THAT THE STATIC WATER PRESSURE IN THIS AREA SHOULD BE **85 PSI**. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY PRESSURE PRIOR TO COMMENCING ANY CONSTRUCTION AND NOTIFY HYDROSYSTEMS(KDI) OF ANY VARIANCE FROM THE STATED PRESSURE. IF CONTRACTOR FAILS TO FIELD VERIFY PRESSURE AND/OR NOTIFY HYDROSYSTEMS(KDI) OR ANY VARIATIONS FROM THIS PRESSURE, THEN HE ASSUMES ALL CONSTRUCTION AND ENGINEERING COSTS ASSOCIATED WITH SYSTEM MODIFICATIONS REQUIRED TO ACCOMMODATE ACTUAL SITE PRESSURE. THIS SYSTEM HAS BEEN DESIGNED FOR A REQUIRED STATIC PRESSURE OF **85 PSI** MINIMUM.
3. IRRIGATION SYSTEM OPERATION INTENT - THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO IRRIGATE THE ESTABLISHED LANDSCAPE WITHIN A THREE NIGHT PER WEEK, EIGHT HOUR PER NIGHT WATERING WINDOW. ESTABLISHMENT WATERING WILL REQUIRE UP TO TWICE AS MUCH IRRIGATION FOR A FOUR TO SIX WEEK PERIOD. THE DESIGN IS BASED ON THE FOLLOWING PROJECTED WEEKLY APPLICATION RATES AFTER ESTABLISHMENT. THESE FIGURES ARE BASED ON A 30-YEAR AVERAGE WEATHER DATA AND WILL NEED TO BE ADJUSTED DUE TO SEASONAL CHANGES AND WEATHER CONDITIONS ABOVE AND BELOW THE AVERAGE VALUES UTILIZED.
- | | |
|----------------------|--|
| BLUEGRASS TURF | 1.75" PER WEEK PEAK SEASON |
| ORNAMENTAL PLANTINGS | 1.00" PER WEEK PEAK SEASON |
| NATIVE SEED MIXES | 1.00" PER WEEK PEAK SEASON (TWO SEASONS) |
- NOTE: IT IS THE INTENT OF THIS DESIGN THAT NATIVE AREAS WOULD ONLY BE IRRIGATED FOR ESTABLISHMENT.
4. EQUIPMENT INSTALLATION - IT IS THE INTENT OF THIS DESIGN THAT ALL IRRIGATION EQUIPMENT BE INSTALLED WITHIN PROPERTY LIMITS AND WITHIN LANDSCAPED AREAS. ANY EQUIPMENT SHOWN OUTSIDE OF THESE LIMITS IS SHOWN IN THAT LOCATION FOR GRAPHICAL CLARITY ONLY. ALL VALVE BOXES SHALL BE INSTALLED A MINIMUM OF 2'-0" FROM EDGE OF ANY PAVED SURFACES. ALL VALVE BOXES SHALL BE PLACED A MINIMUM OF 3'-0" FROM THE CENTERLINE OF ANY DRAINAGE SWALE.
5. SLEEVING - ALL SLEEVING UNDER PAVED SURFACES SHOWN ON PLANS IS BY CONTRACTOR UNLESS OTHERWISE NOTED. SLEEVING SHALL BE INSTALLED IN THE SIZES AND QUANTITIES SHOWN ON PLANS OR BASED ON THE SCHEDULE BELOW. WHERE SLEEVES ARE SHOWN BUT NOT LABELED, FOLLOW THE SCHEDULE BELOW. ALL MAINLINE, CONTROL WIRES AND DRIP LINES UNDER PAVED SURFACES ARE TO BE INSTALLED IN SLEEVING.
- | SLEEVED PIPE SIZE/WIRE QUANTITY | REQUIRED SLEEVE SIZE & (QUANTITY) |
|---------------------------------|-----------------------------------|
| ¾" - 1¼" PIPING | 2" PVC (1) |
| 1½" - 2" PIPING | 4" PVC (1) |
| 1-50 CONTROL WIRES | 3" PVC (1) |
6. POP-UP SPRAY NOZZLES - CONTRACTOR TO INSTALL PLASTIC NOZZLES ON ALL POP-UP SPRAY HEADS. INSTALL 15 SERIES NOZZLES ON ALL HEADS SPACED AT 12" TO 14". INSTALL 12 SERIES NOZZLES ON ALL HEADS SPACED 10" TO 11". INSTALL 10 SERIES NOZZLES ON ALL HEADS SPACED AT 8" TO 9". INSTALL 8 SERIES NOZZLES ON ALL HEADS SPACED LESS THAN 7". INSTALL SIDE STRIP NOZZLES ON ALL HEADS WITH AN 'S' DESIGNATION AND RIGHT AND LEFT CORNER STRIP NOZZLES ON ALL HEADS WITH AN 'C' DESIGNATION. VARIABLE ARC NOZZLES SHOULD BE UTILIZED ADJACENT TO CURVILINEAR SHRUB BEDS OR FOR ANY ANGLES THAT ARE NOT A STANDARD NOZZLE ANGLE.
7. DRIP IRRIGATION - REFER TO IRRIGATION DETAIL SHEET FOR DRIP EMITTER QUANTITIES AND PLACEMENT.
8. SPARE CONTROL WIRES - CONTRACTOR SHALL EXTEND THREE SPARE WIRES (ONE COMMON AND 2 CONTROL WIRES) FROM EACH CONTROLLER TO THE END OF THE MAINLINE SERVING THAT CONTROLLER OR AS SHOWN ON THE PLANS. INSTALL SPARE WIRES IN 10" ROUND VALVE BOX WITH QUICK COUPLING VALVE. REFER TO SPECIFICATIONS FOR WIRE COLOR. SEE IRRIGATION SCHEDULE FOR ADDITIONAL INFORMATION.
9. ADJUSTMENT - CONTRACTOR SHALL FINE TUNE/ADJUST THE IRRIGATION SYSTEM TO REDUCE/AVOID OVERSPRAY ONTO HARD SURFACES BY ADJUSTING NOZZLE DIRECTION AND NOZZLE RADIUS.
10. EXISTING IRRIGATION DAMAGE - CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING IRRIGATION SYSTEMS DAMAGED DURING NEW INSTALLATION. REPAIR OR REPLACEMENT SHALL BE DETERMINED BY OWNER OR OWNER'S REPRESENTATIVE AND PAID FOR BY THE LANDSCAPE CONTRACTOR.
11. EXISTING IRRIGATION COORDINATION - EXISTING IRRIGATION SYSTEM SHALL NOT BE TURNED OFF FOR MORE THAN 24 HOURS MAXIMUM. CONTRACTOR SHALL COORDINATE TURN OFF OF SYSTEM WITH OWNER OR MAINTENANCE STAFF 12 HOURS PRIOR TO ANY NEW CONSTRUCTION.
12. SIMULTANEOUS ZONE OPERATION - THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO OPERATE MULTIPLE ZONES SIMULTANEOUSLY BASED ON INDIVIDUAL ZONE FLOW. THE DESIGN INTENT IS THAT FROM 1 TO 2 ZONES CAN BE OPERATED AT THE SAME TIME.
13. UNLABELED PIPING - ALL UNLABELED LATERAL PIPING SHALL BE 1" MINIMUM UNLESS OTHERWISE NOTED.
14. CONTRACTOR SHALL TRENCH MAINLINE AT LEAST 5 FT. FROM TREES, PAINT PROPOSED MAINLINE ROUTING AND OBTAIN APPROVAL FROM CITY STAFF, PRIOR TO ANY INSTALLATION.
15. WHERE MAINLINE CROSS EXISTING ASPHALT AREAS, BORE THE NEW SLEEVES. SEE PLANS FOR SLEEVE NUMBERS AND SIZES. ALL CROSSINGS OF EXISTING WALKS SHALL BE BORED. MAINLINE AND WIRES SHALL BE INSTALLED IN SEPARATE SLEEVES.
16. CONTRACTOR SHALL SOD ALL MAINLINE, WIRE AND LATERAL LINE TRENCHES, VALVE BOX AREAS, AND AREAS EXCEEDING 10 SF INSIDE AND OUTSIDE OF INDICATED WORK LIMITS UTILIZING FULL WIDTH ROLLS OF SOD. NEW SOD GRADE SHALL MATCH ADJACENT, UNDISTURBED GRADE. ROLL NEW SOD AS REQUIRED TO MESH EVENLY WITH EXISTING TURF. SOD CUT FOR MAINLINE INSTALLATION MAY BE REUSED TO SOD MAINLINE TRENCHES. CONTRACTOR WILL BE REQUIRED TO REPLACE REUSED SOD PER SPECIFICATIONS FOR NEW SOD. IF SOD IS CUT AND NOT REUSED FOR A PERIOD EXCEEDING 48 HOURS, IT MAY NOT BE REUSED. NO SODDING OR SEEDING SHALL OCCUR BETWEEN OCTOBER 1 AND APRIL 15 AND SHALL NOT OCCUR WITHOUT IRRIGATION SYSTEM BEING OPERATIONAL - UNLESS OTHERWISE NOTED ON PLANS.
17. EXCESS DIRT GENERATED BY TRENCHING OPERATIONS SHALL BE DISPOSED OF BY CONTRACTOR AT ON-SITE LOCATION TO BE DESIGNATED BY OWNER.

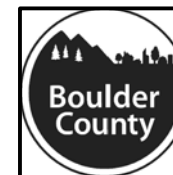

IRRIGATION SCHEDULE

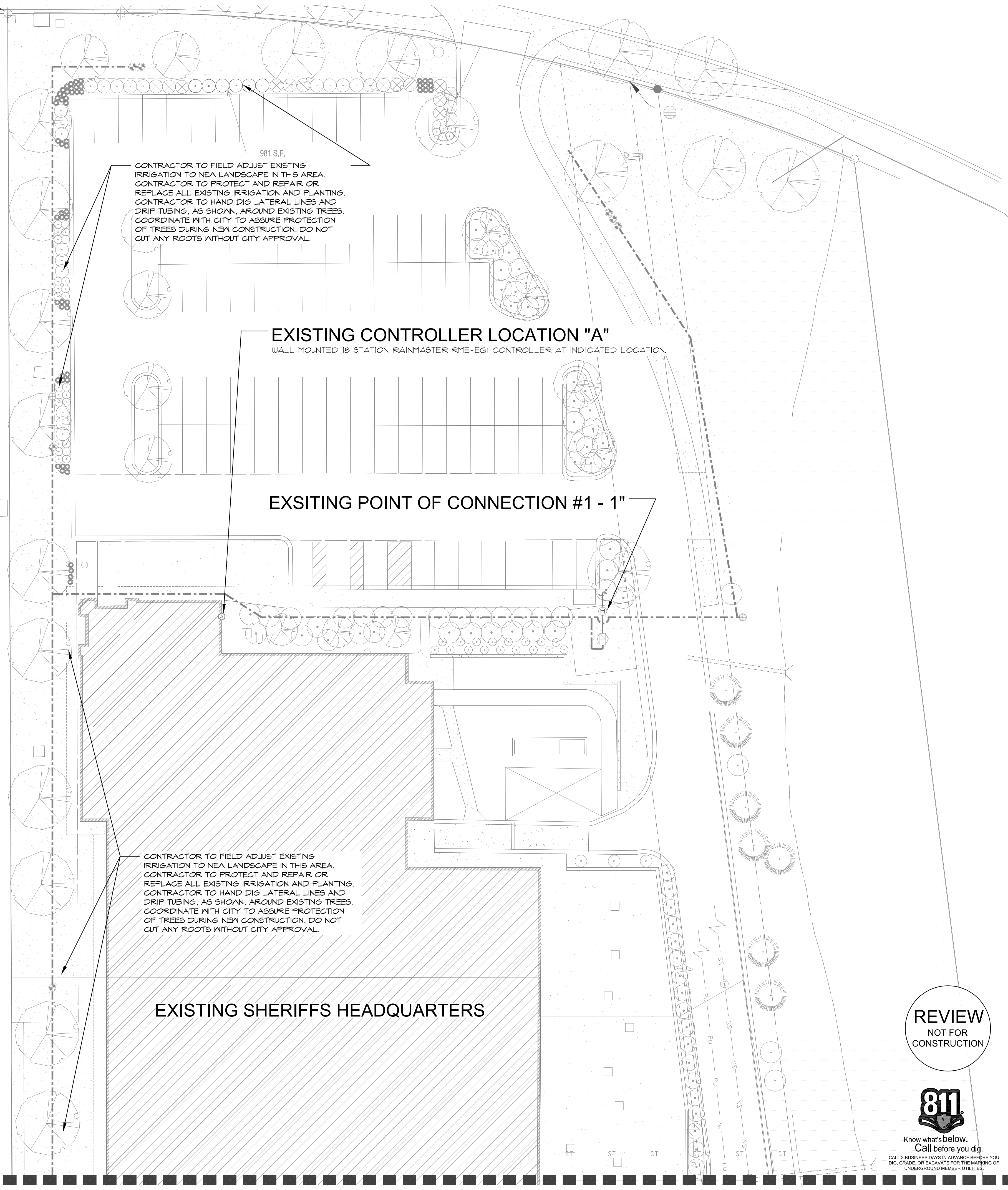
SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	DETAIL NO.
	RAIN BIRD	1806-SAM-FRS W/ U-SERIES NOZZLE & 1800-NPCAP	POPUP SPRAY HEAD	1
	HUNTER	PRO6-06-FR640-CV-R WITH MPROTATOR NOZZLE	POPUP ROTARY SPRAY HEAD	1
	HUNTER	I-20-06-98-R W/ * NOZZLE	GEAR DRIVEN ROTOR	2
	RAIN BIRD	PE6BR-FR6-D	ELECTRIC CONTROL VALVE	3
	RAIN BIRD	5-NP	QUICK COUPLING VALVE	4
	RAINMASTER	RME24EG1-T	ELECTRIC CONTROLLER	5
	HUNTER	WRF-CLIK	RAIN SHUT-OFF DEVICE	6
	FIBCO	025YA	BACKFLOW PREVENTER	7
	GUARDSHACK	G6-1	BACKFLOW PREVENTER ENCLOSURE	8
	MATCO	201X	MANUAL DRAIN VALVE	9
		LINE SIZE	GATE VALVE	10
		CLASS 200 BE - 2½" & SMALLER	PVC MAINLINE	11
		CLASS 200 BE	PVC LATERAL	11
		CLASS 160	PVC SLEEVING	12
		CLASS 200 BE - 1"	PVC DRIP LATERAL	11
	IRRITROL	DURA-POL	POLY DRIP TUBING -¾" MIN. WIDTH	11 & 15
	RAIN BIRD	XCZ-100-PRF	DRIP VALVE ASSEMBLY	13
			DRIP LINE BLOW-OUT STUB	14
	N/S	XERI-BUG	DRIP EMITTERS	15
			WATER METER	N/S
 CONTROLLER & STATION NO. CONTROL VALVE SIZE				
 NUMBER OF SPARE WIRES - 2 CONTROL AND 1 SPARE WIRES TO WHICH CONTROLLER - SEE CONSTRUCTION NOTES				
ALL IRRIGATION COMPONENTS SHALL BE COLORED PURPLE FOR FUTURE NON-POTABLE WATER USE				

REFER TO SHEET

- 11.01 IRRIGATION NOTES AND SCHEDULE
- 11.02 - 11.03 IRRIGATION PLANS
- 11.03 - 11.05 IRRIGATION DETAILS



DRAWN BY: JJN/JJC CHECKED BY: KJD	<div><div><div>Boulder County Administrative Services Building Services Division - Architects</div><div>2020 13th Street Boulder, Colorado 80302 Tel: 303-441-3957 Fax: 303-441-1718</div><div></div></div></div>	<table><tr><th>REVISION</th><th>DATE</th></tr><tr><td>Tec Doc Review</td><td>07/15/2013</td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>	REVISION	DATE	Tec Doc Review	07/15/2013							<div><div><div>BOULDER COUNTY CORONER FACILITY</div><div>5600 Flatiron Parkway Boulder, Colorado 80301</div></div></div>
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	<div><div><div>HydroSystems-KDI, Inc.</div><div></div><div>860 Tabor Street, Suite 200 Lakewood, Colorado 80401 303-980-6327 303-980-6384 (fax)</div></div></div>	<div><div><div>Applicant Information</div><div>Boulder County Administrative Services Building Services Division - Architects P.O. Box 471 Boulder, Colorado 80306</div><div>Application Type: <i>TEC DOC REVIEW</i> Case No.: ---</div></div></div>	<div><div><div>Project No: 13-005</div><div>IRRIGATION DETAILS</div><div>11.01</div></div></div>										



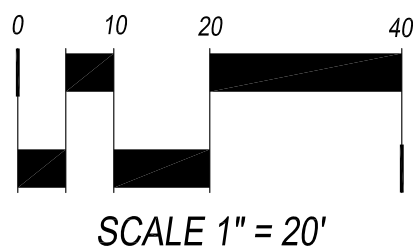
CONTRACTOR TO FIELD ADJUST EXISTING IRRIGATION TO NEW LANDSCAPE IN THIS AREA. CONTRACTOR TO PROTECT AND REPAIR OR REPLACE ALL EXISTING IRRIGATION AND PLANTING. CONTRACTOR TO HAND DIG LATERAL LINES AND DRIP TUBING, AS SHOWN, AROUND EXISTING TREES. COORDINATE WITH CITY TO ASSURE PROTECTION OF TREES DURING NEW CONSTRUCTION. DO NOT CUT ANY ROOTS WITHOUT CITY APPROVAL.

EXISTING CONTROLLER LOCATION "A"
WALL MOUNTED 16 STATION RAINMASTER RME-EG1 CONTROLLER AT INDICATED LOCATION.

EXISTING POINT OF CONNECTION #1 - 1"

CONTRACTOR TO FIELD ADJUST EXISTING IRRIGATION TO NEW LANDSCAPE IN THIS AREA. CONTRACTOR TO PROTECT AND REPAIR OR REPLACE ALL EXISTING IRRIGATION AND PLANTING. CONTRACTOR TO HAND DIG LATERAL LINES AND DRIP TUBING, AS SHOWN, AROUND EXISTING TREES. COORDINATE WITH CITY TO ASSURE PROTECTION OF TREES DURING NEW CONSTRUCTION. DO NOT CUT ANY ROOTS WITHOUT CITY APPROVAL.

EXISTING SHERIFFS HEADQUARTERS



REFER TO SHEET
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11.02 - 11.03 IRRIGATION PLANS
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REVIEW
NOT FOR
CONSTRUCTION



CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

DRAWN BY: JJN/IJC CHECKED BY: KJD

**Boulder County Administrative Services
Building Services Division - Architects**
2020 13th Street
Boulder, Colorado 80302
Tel: 303-441-3957
Fax: 303-441-1718



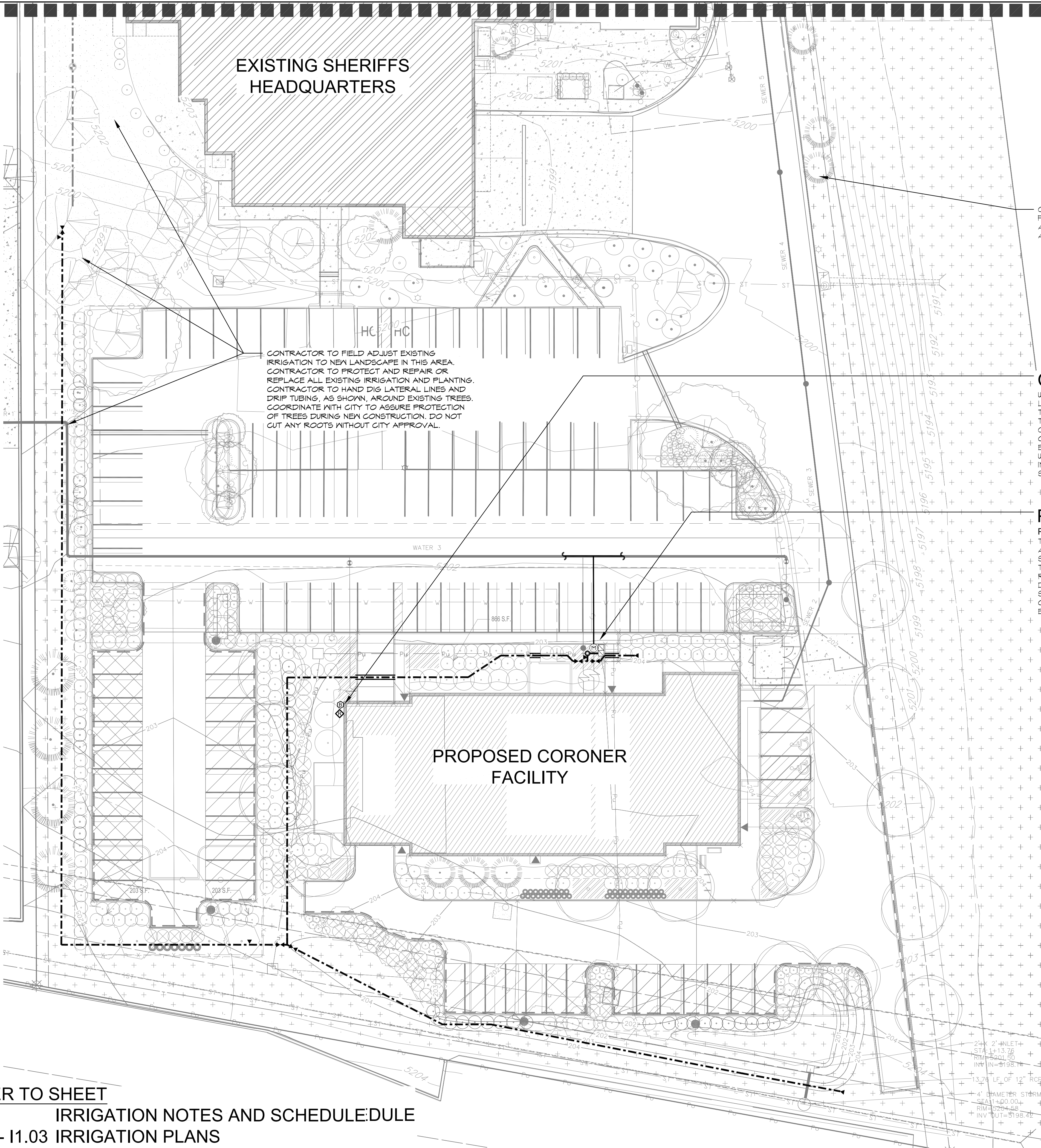
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Applicant Information
Boulder County Administrative Services
Building Services Division - Architects
P.O. Box 471
Boulder, Colorado 80306
Application Type: **TEC DOC REVIEW**
Case No.: ---

**BOULDER COUNTY
CORONER FACILITY**
5600 Flatiron Parkway
Boulder, Colorado 80301

Project No: 13-005
IRRIGATION DETAILS

11.02



EXISTING SHERIFFS
HEADQUARTERS

CONTRACTOR TO FIELD ADJUST EXISTING
IRRIGATION TO NEW LANDSCAPE IN THIS AREA.
CONTRACTOR TO PROTECT AND REPAIR OR
REPLACE ALL EXISTING IRRIGATION AND PLANTING.
CONTRACTOR TO HAND DIG LATERAL LINES AND
DRIP TUBING, AS SHOWN, AROUND EXISTING TREES.
COORDINATE WITH CITY TO ASSURE PROTECTION
OF TREES DURING NEW CONSTRUCTION. DO NOT
CUT ANY ROOTS WITHOUT CITY APPROVAL.

CONTRACTOR TO EXTEND DRIP LINE
FROM THIS APPROXIMATE TO SOUTH
AND IRRIGATE THE 5 NEW TREES
ALONG THE TOP OF THE SLOPE.

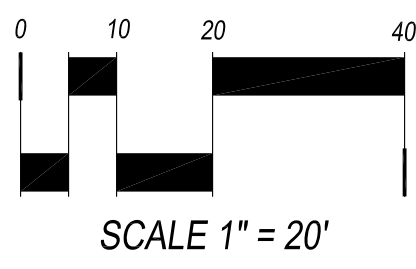
CONTROLLER LOCATION "B"

WALL MOUNT ONE 24 STATION RAINMASTER RME24EG1-T CONTROLLER, AT INDICATED
LOCATION. 120 VOLT POWER IS AVAILABLE WITHIN 50 LF. OF CONTROLLER LOCATION FROM
TRANSFORMER/BUILDING/PEDESTAL. ELECTRICAL METER, WIRE/CONDUIT, STEP-DOWN
TRANSFORMER AND POWER CONNECTION TO CONTROLLER IS BY CONTRACTOR WITH WORK
CONFORMING TO LOCAL CODES, FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE
OBTAINED AND PAID BY CONTRACTOR. FINAL CONTROLLER LOCATION SHALL BE APPROVED
BY CONSULTANT PRIOR TO INSTALLATION. MOUNT ONE HUNTER RAIN CLIK DEVICE ON BUILDING
WHERE THERE IS 20 FT. OF CLEARANCE FROM ANY OVERHANG OR OBSTRUCTING FEATURE.
INSTALL RAIN SENSOR RECEIVER IN CONTROLLER ENCLOSURE. FINAL RAIN SENSOR LOCATION
SHALL BE APPROVED BY CONSULTANT PRIOR TO INSTALLATION.

POINT OF CONNECTION #2 - 1"

PEAK FLOW REQUIREMENT: 18 GPM. REQUIRED STATIC PRESSURE: 85 PSI
TIE ONTO 1" COPPER STUB-OUT DOWNSTREAM OF WATER METER AT 54" DEPTH IN THIS
APPROXIMATE LOCATION. INSTALL ONE 1" METER PER BOULDER CITY OR COUNTY
SPECIFICATIONS AND STANDARDS. EXTEND 1" TYPE K SOFT COPPER AT 48" MINIMUM DEPTH
TO BACKFLOW PREVENTER LOCATION. INSTALL ONE 1" STOP AND WASTE VALVE, ONE 1"
REDUCED PRESSURE BACKFLOW PREVENTER WITH PROTECTIVE ENCLOSURE, ONE MANUAL
DRAIN VALVE, ONE QUICK COUPLING VALVE AND EXTEND PVC MAINLINE AS SHOWN. WORK
SHALL CONFORM TO LOCAL CODE, FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE
OBTAINED AND PAID FOR BY CONTRACTOR. FINAL BACKFLOW PREVENTER LOCATION SHALL
BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

PROPOSED CORONER
FACILITY



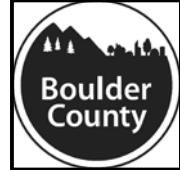

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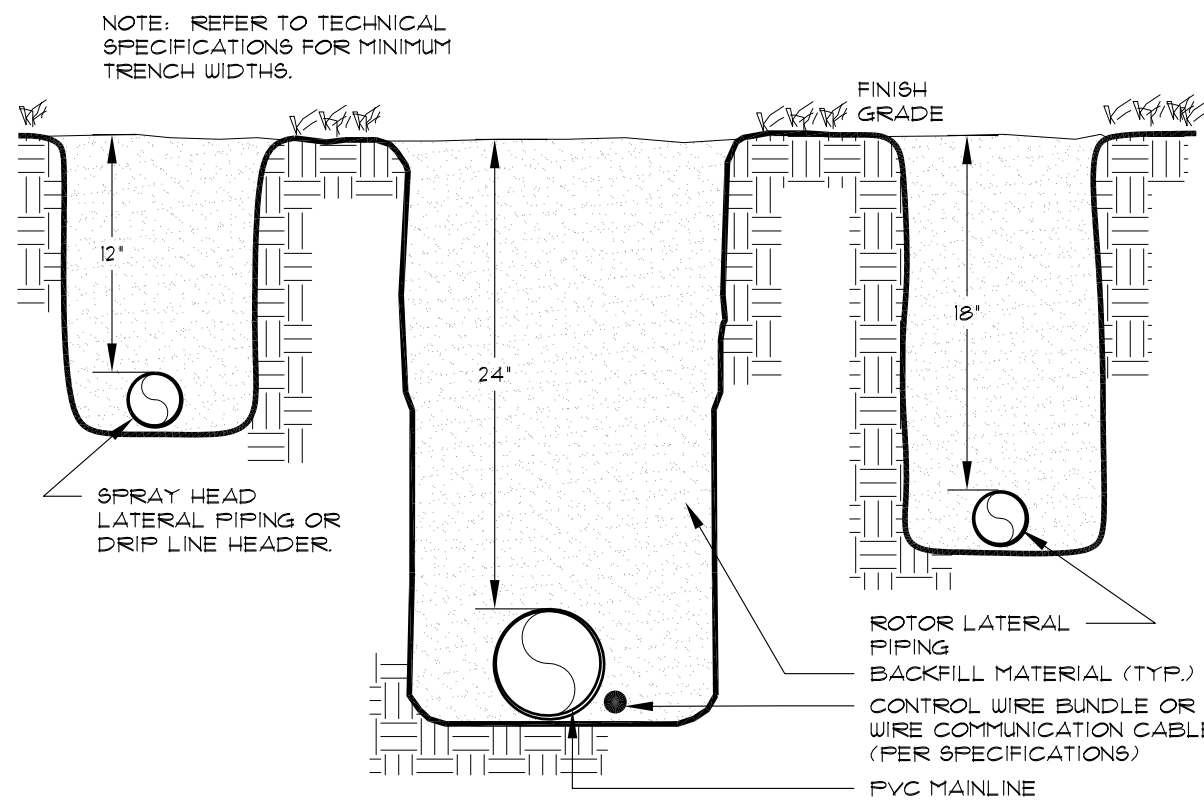
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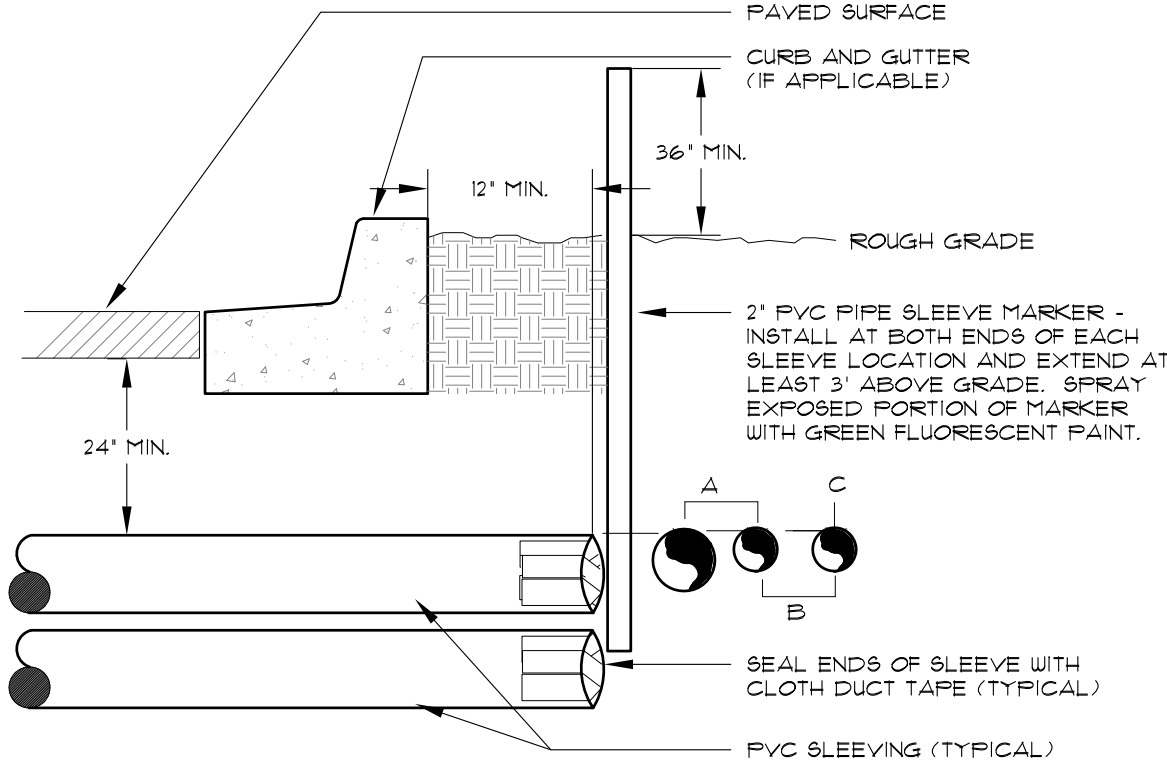
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Tec Doc Review	07/15/2013											
HydroSystems-KDI, Inc.  860 Tabor Street, Suite 200 Lakewood, Colorado 80401 303-980-6321 303-980-6384 (fax)	Applicant Information Boulder County Administrative Services Building Services Division - Architects P.O. Box 471 Boulder, Colorado 80306 Application Type: <i>TEC DOC REVIEW</i> Case No.: ---	Project No: 13-005 IRRIGATION PLAN 11.03										





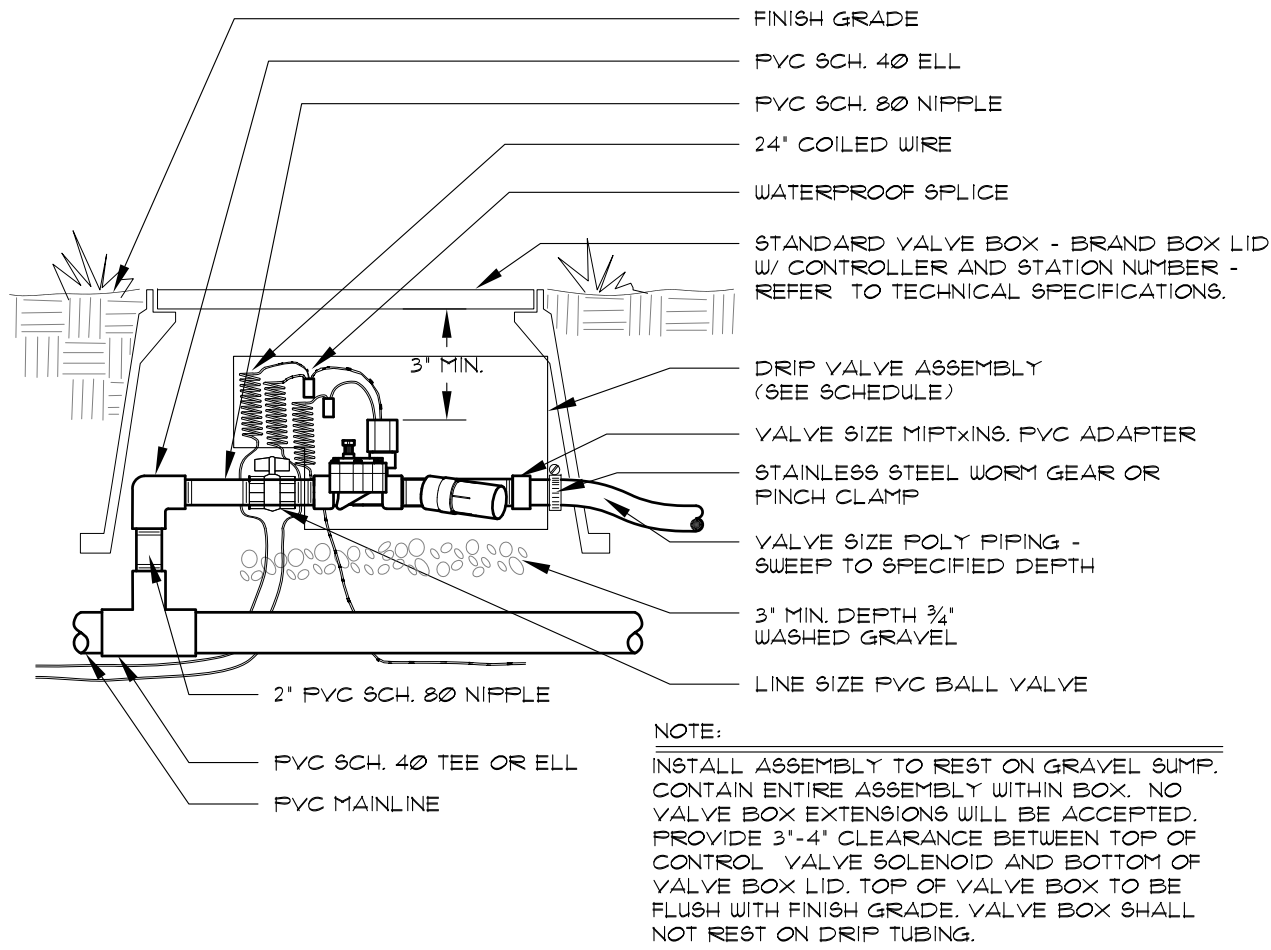
TRENCH

11



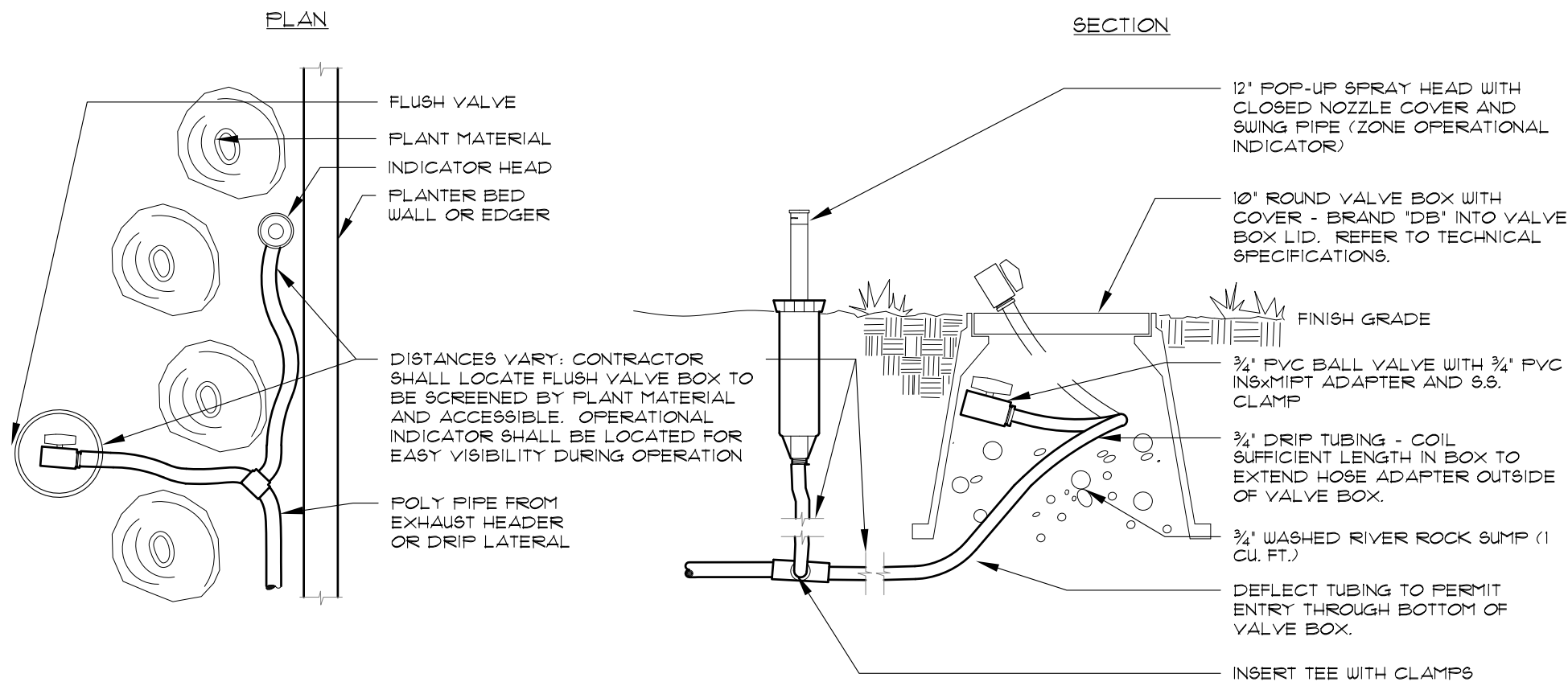
IRRIGATION SLEEVING

12



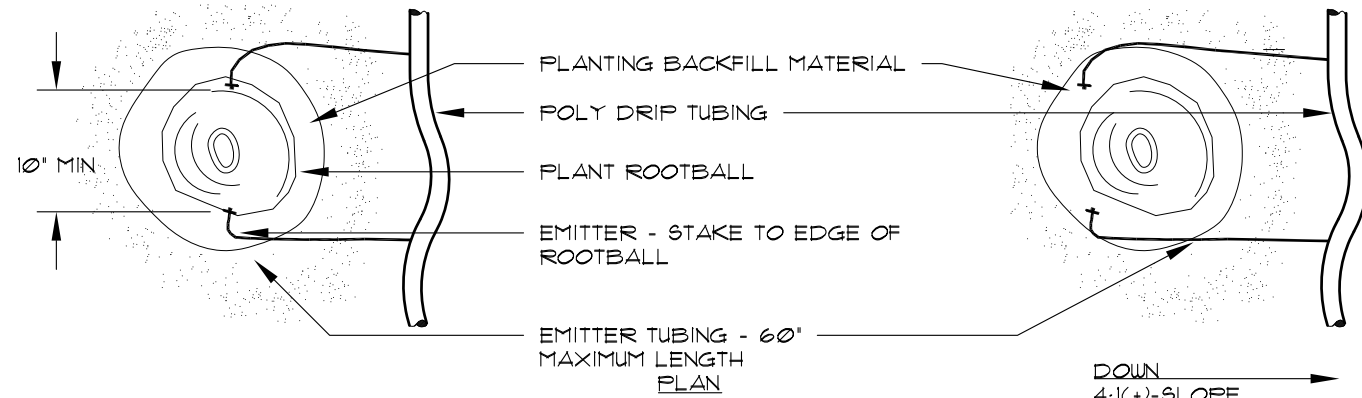
DRIP VALVE

13



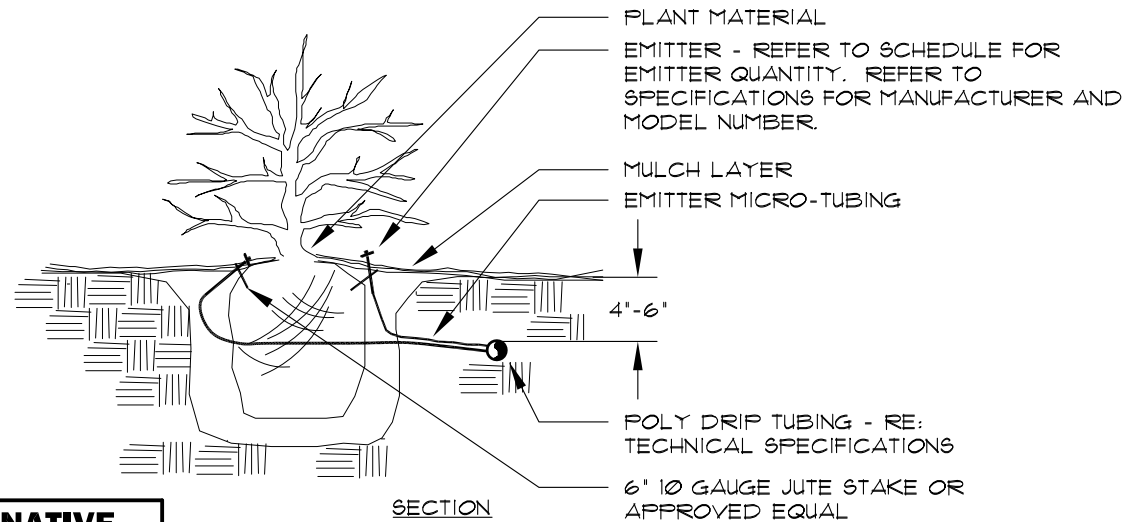
DRIP FLUSH VALVE
WITH OPERATIONAL INDICATOR

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PLANT SIZE	EMITTER FLOW RATE	EMITTER QTY. AT MULCHED BED LOCATIONS	EMITTER QTY. AT NATIVE SEED LOCATIONS
1 - 2 GALLON MATERIAL	0.5 GPH	ONE EACH	ONE EACH
5 GALLON MATERIAL	0.5 GPH	TWO EACH	TWO EACH
1/2" CALIPER TREE	1.0 GPH	THREE EACH	FOUR EACH
2" CALIPER TREE	1.0 GPH	FOUR EACH	SIX EACH
2 1/2" CALIPER TREE	1.0 GPH	SIX EACH	EIGHT EACH
3" CALIPER TREE	1.0 GPH	EIGHT EACH	TEN EACH
3 1/2" CALIPER TREE	1.0 GPH	NINE EACH	ELEVEN EACH
4" CALIPER TREE	1.0 GPH	TEN EACH	TWELVE EACH
6 FT. CONIFEROUS TREE	1.0 GPH	FOUR EACH	SIX EACH
8 FT. CONIFEROUS TREE	1.0 GPH	SIX EACH	NINE EACH
10 FT. CONIFEROUS TREE	1.0 GPH	EIGHT EACH	TWELVE EACH
12 FT. CONIFEROUS TREE	1.0 GPH	TEN EACH	FOURTEEN EACH

DRIP EMITTER
BELOW GRADE



- NOTES:
- INSTALL EMITTERS ON OPPOSING SIDES OF ROOTBALL. THREE OR MORE EMITTERS SHALL BE EQUALLY SPACED AROUND ROOT BALL.
 - EMITTERS ARE TO BE INSTALLED TO CLEAR SURFACE BY A MINIMUM OF 1" AND A MAXIMUM OF 2".
 - FLUSH ALL LINES THOROUGHLY, INCLUDING EMITTER MICRO-TUBING PRIOR TO EMITTER INSTALLATION.
 - IF PLANTING ON A 4:1 SLOPE OR STEEPER, INSTALL BOTH EMITTERS ON UPHILL SIDE OF ROOT BALL.
 - EMITTERS SHALL BE SELF-FLUSHING, PRESSURE COMPENSATING-TYPE UNLESS NOTED OTHERWISE WITHIN TECHNICAL SPECIFICATIONS.
 - DRIP VALVE ZONES ARE DESIGNED TO ACCOUNT FOR DIFFERENCES IN PLANT REQUIREMENTS (HYDROZONES) AND SUN EXPOSURE.
 - CONTRACTOR SHALL ENSURE HYDROZONES ARE VALVED SEPARATELY AS SHOWN ON PLAN.
 - SITE CONDITIONS MAY DICTATE THAT MULTIPLE SUN EXPOSURES ARE VALVED TOGETHER DURING THE DESIGN PROCESS. CONTRACTOR SHALL ADJUST EMITTER SCHEDULE AS FOLLOWS:
 - EMITTER QUANTITIES SHALL REMAIN THE SAME BUT EMITTER GALLONAGES SHALL BE DOUBLED FOR PLANTS WITH SOUTH AND WEST EXPOSURES.
 - EMITTER QUANTITIES AND GALLONAGE SHALL BE AS SHOWN IN SCHEDULE FOR PLANTS WITH NORTH AND EAST EXPOSURES.
 - PLANTINGS WITH NORTH AND EAST EXPOSURE SHALL DICTATE VALVE RUN-TIMES AND CONTRACTOR SHALL ADJUST SCHEDULING ACCORDINGLY.

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REFER TO SHEET

- 11.01 IRRIGATION NOTES AND SCHEDULE
11.02 - 11.03 IRRIGATION PLANS
11.03 - 11.05 IRRIGATION DETAILS

REVIEW
NOT FOR
CONSTRUCTION



Know what's below.
Call before you dig.

CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG. GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

DRAWN BY: JJN/JJC CHECKED BY: KJD	Boulder County Administrative Services Building Services Division - Architects 2020 13th Street Boulder, Colorado 80302 Tel: 303-441-3957 Fax: 303-441-1718	REVISION Tec Doc Review	DATE 07/15/2013	BOULDER COUNTY CORONER FACILITY 5600 Flatiron Parkway Boulder, Colorado 80301
	HydroSystems-KDI, Inc. 860 Tabor Street, Suite 200 Lakewood, Colorado 80401 303-980-5327 303-980-5384 (fax)	Applicant Information Boulder County Administrative Services Building Services Division - Architects P.O. Box 471 Boulder, Colorado 80306 Application Type: TEC DOC REVIEW Case No.: ---	Project No: 13-005 IRRIGATION DETAILS	11.05